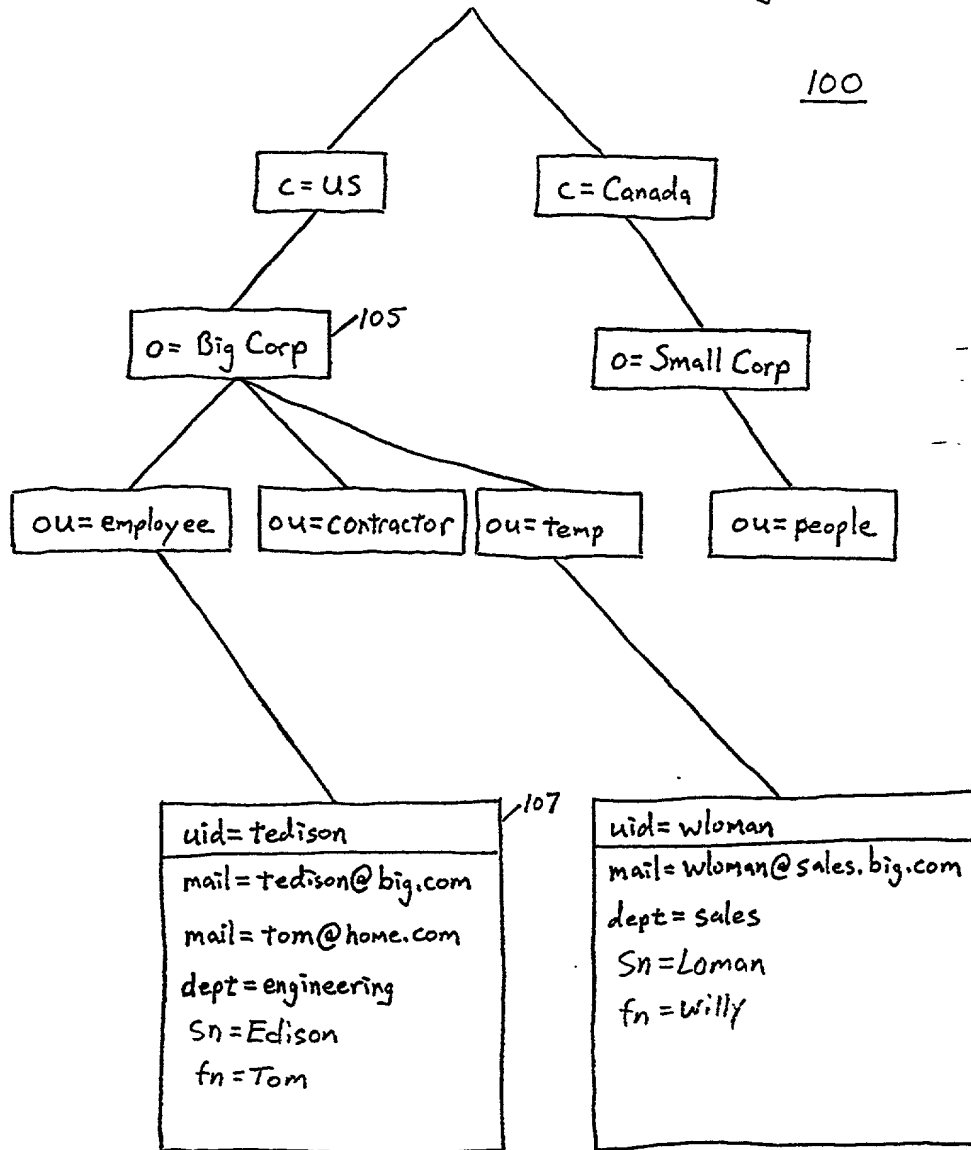


Fig. 1

100



**Fig. 2**

```
201 dn: uid=tedison, ou=Employee, o=Big Corp, c=US
202 fn: Tom
203 sn: Edison
204 objectclass:top
205 objectclass:inetOrgPerson
206 objectclass:person
207 objectclass:inetUser
208 objectClass:nsManagedPerson
209 uid: tedison
210 mail: tedison@big.com
211 mail: tom@home.com
212 dept: engineering
```

Fig. 3

```

301 LDAPConnection ldc = null;
302
303 // get a connection
304 ldc = ... <snip>
305
306 // Now add the user
307 String dn = "uid=tedison, ou=Employee, o=Big Corp, c=US "
308 LDAPAttributeSet attrSet = new LDAPAttributeSet();
309 attrSet.add(new LDAPAttribute("objectclass", "top"));
310 attrSet.add(new LDAPAttribute("objectclass", "person"));
311 attrSet.add(new LDAPAttribute("objectclass", "inetUser"));
312 attrSet.add(new LDAPAttribute("objectclass", "nsManagedPerson"));
313 attrSet.add(new LDAPAttribute("uid", "tedison"));
314 attrSet.add(new LDAPAttribute("mail", "tedison@big.com"));
315 attrSet.add(new LDAPAttribute("mail", "tom@home.com"));
316 attrSet.add(new LDAPAttribute("dept", "engineering"));
317 attrSet.add(new LDAPAttribute("ou", "employee"));
318 attrSet.add(new LDAPAttribute("sn", "Edison"));
319 attrSet.add(new LDAPAttribute("fn", "Tom"));
320 LDAPEntry entry = new LDAPEntry(dn,attrSet);
321
322 // Now add the entry
323 ldc.add(entry);

```

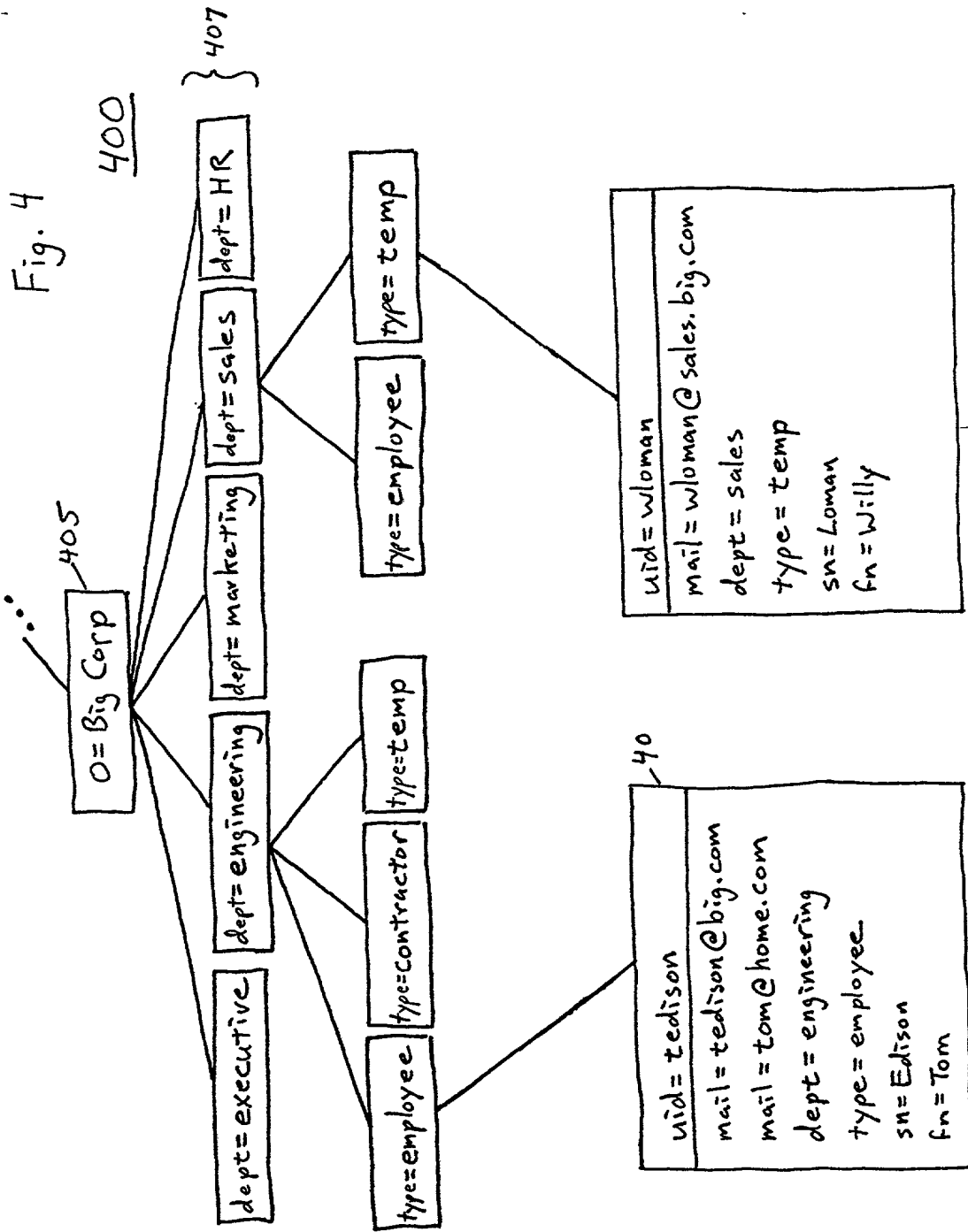


Fig. 5

```

501 <ServiceConfig name="BasicUser" id="CreationObjects">
502   <AttributeValuePair> <Attribute name="name" />
503   <Value>BasicUser</Value>
504 </AttributeValuePair>
505 <AttributeValuePair> <Attribute name="required" />
506   <Value>objectClass=top</Value>
507   <Value>objectClass=person</Value>
508   <Value>objectClass=inetUser</Value>
509   <Value>objectClass=nsManagedPerson</Value>
510   <Value>uid</Value>
511   <Value>fn</Value>
512   <Value>sn</Value>
513   <Value>dept</Value>
514   <Value>type</Value>
515 </AttributeValuePair>
516 <AttributeValuePair> <Attribute name="optional" />
517   <Value>userpassword</Value>
518   <Value>telephonenumber</Value>
519   <Value>givenname</Value>
520   <Value>displayname</Value>
521   <Value>title</Value>
522   <Value>description</Value>
523   <Value>mail</Value>
524   <Value>postaladdress</Value>
525 </AttributeValuePair>
526 <AttributeValuePair> <Attribute name="namingattribute" />
527   <Value>uid</Value>
528 </AttributeValuePair>
529 <AttributeValuePair> <Attribute name="validated" />
530   <Value>mail=foo.com.validation.MailAddressValidator</Value>
531 </AttributeValuePair>
532 <AttributeValuePair> <Attribute name = "Location mapper" />
533   <value>
534     <mapfrom> dept=employee </mapfrom>
535     <mapto> ou=employee</mapto>
536   </value>
537 </AttributeValuePair>
538 </ServiceConfig>

```

Fig. 6

```
601 // Fill out at least the needed information only
602 LDAPAttributeSet attrSet = new LDAPAttributeSet();
603 attrSet.add(new LDAPAttribute("uid", "tedison"));
604 attrSet.add(new LDAPAttribute("fn", "Tom"));
605 attrSet.add(new LDAPAttribute("sn", "Edison"));
606 attrSet.add(new LDAPAttribute("dept", "engineering"));
607 attrSet.add(new LDAPAttribute("type", "employee"));
608 attrSet.add(new LDAPAttribute("mail", "tedison@bigcorp.com"));
609 attrSet.add(new LDAPAttribute("mail", "tom@home.com"));
610
611 // create the user
612 User newPerson = new User (BasicUser, attrSet);
613
614 // instantiate the organization
615 Organization bigcorp = new Organization (... <snip>);
616
617 // add the user to the LDAP database
618 bigcorp.add (newPerson);
```

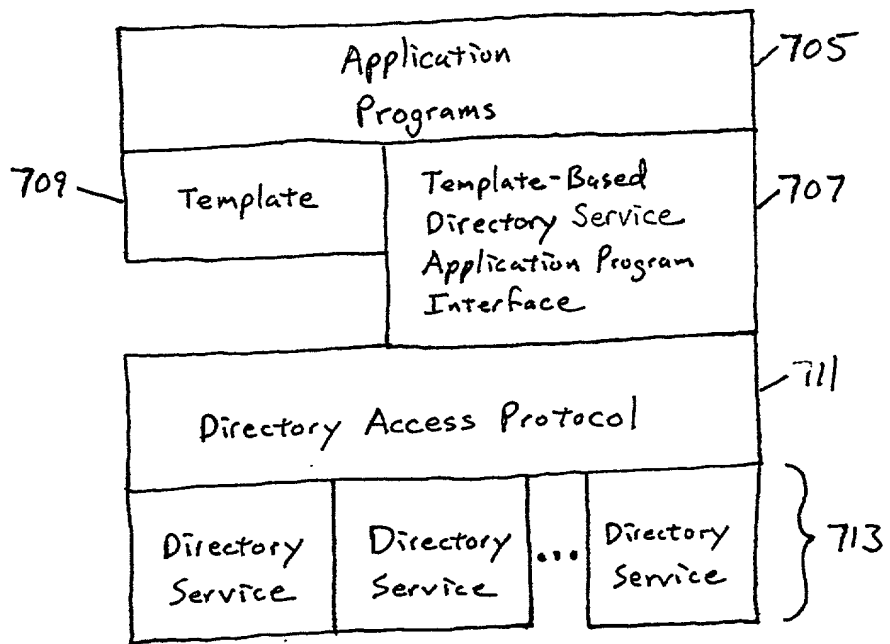


Fig. 7

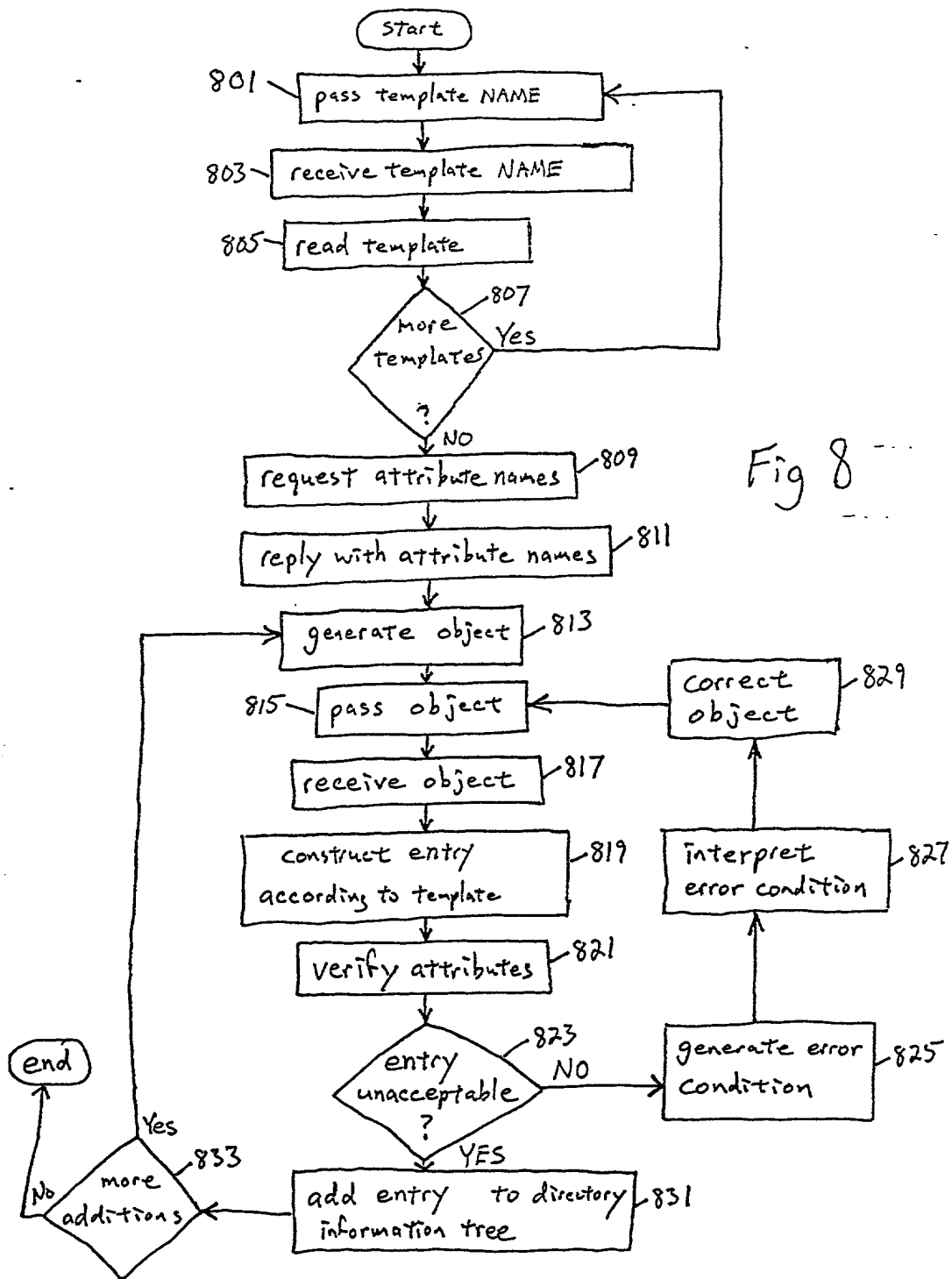




Fig. 9

```

801 <ServiceConfig name="BasicUserSearch" id="SearchObjects">
802   <AttributeValuePair> <Attribute name="name" />
803     <Value> BasicUserSearch </Value>
804   </AttributeValuePair>
805   <AttributeValuePair> <Attribute name="searchfilter" />
806     <Value>objectclass=nsManagedPerson</Value>
807   </AttributeValuePair>
808   <AttributeValuePair> <Attribute name="attrs" />
809     <Value>uid</Value>
810     <Value>fn</Value>
811     <Value>sn</Value>
812   </AttributeValuePair>
813 </ServiceSubConfig>

```